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BANGALORE, THURSDAY, MARCH 7, 1940.

## PART I

## IMPORTANT GOVERNMENT ORDERS

### CHIEF SECRETARIAT

**Engineering Training to Probationary Revenue Inspectors.**

READ—

Government Order No. R. 1372-81—L. R. 393-22-6, dated 20th August 1924, sanctioning a scheme for direct recruitment of Sheikdari Probationers and directing *inter alia* that the selected candidates should undergo training for six months in the Engineering School.

2. Government Order No. R. 3726-35—L. R. 62-34-11, dated 30th January 1935, issuing revised rules regarding the appointment and training of Revenue Inspectors and directing, among other things, that the selected candidates should undergo practical training in the Public Works Department for two months.

3. Letter No. C. 5921—38-39, dated 27th October 1939, from the Revenue Commissioner, stating that no regular syllabus has been prescribed so far, for the Probationary Revenue Inspectors who are now being given Engineering training for two months in the Public Works Department, that the syllabus prescribed for the Probationary Assistant Commissioners which is now being adopted in the case of Probationary Revenue Inspectors may not hold good for them and that a separate syllabus of a lower standard is sufficient in their case and recommending, in the circumstances stated, that the syllabus in the Engineering Course which was adopted in the Engineering School, Bangalore, in previous years for training the Probationary Revenue Inspectors may be ordered to be followed in the case of the Probationary Revenue Inspectors.

4. Correspondence ending with Un-official Note No. 599, dated 20th February 1940, from the Chief Engineer of Mysore, on the subject.

ORDER No. R. 5048-59—L. R. 265-39-2, DATED BANGALORE, THE 26TH FEBRUARY 1940.

The Chief Engineer of Mysore who was consulted has stated that the scope of the syllabus that had been adopted in the last Sheikdari training school is too

extensive to be covered in two months and has forwarded a modified syllabus for their practical training in elementary Engineering. He has also suggested that the period of training in the Public Works Department may be fixed at three months, instead of at two months, as mentioned in the Government Order dated 30th January 1935.

2. Agreeing with the Chief Engineer, Government direct that the period of training in the Public Works Department be fixed at three months in future.

3. The syllabus as modified by the Chief Engineer is approved and is appended to this order.

B. T. KESAVIENGAR,
*Chief Secretary to Government.*

## ANNEXURE.

### SHEIKDARI CLASS.

#### I. ENGINEERING GROUP.

*Building Materials and Construction.*

1. *Bricks, tiles and stones.*—Dimensions, characteristics of good bricks, tiles and stones.

2. *Lime, mortar, cement, etc.*—Slaking lime, preparation of mortar, plaster and white wash and of concrete of lime, surki and cement.

3. *Timber.*—Characteristics of sound timber.

4. *Foundations.*—Setting out lines at right angles. Excavating and putting in foundations for ordinary walls.

5. *Masonry.*—Brick-laying in English and Flemish bond. Plastering with mortar.

6. *Carpentry.*—Couple roof frame, King post roof frame, door and window frames and their joints.

7. *Roofs and floors.*—Terrace roofs and floors on joists or on beams and joists. Gable roofs, rafters, purlins and reepers. Common and Mangalore tiling. Brick and concrete flooring.

#### II. EARTHWORK—ROADS AND IRRIGATION.

1. *Earthwork.*—Use of bevel plumb rule, spirit level, boning rods, profiles and other tools and appliances used for earthwork. Marking centre lines. Setting out embankments and cuttings from cross sections on level and sloping grounds. Setting out foundations from working drawings. Setting out gradients with boning rods. Modes of forming embankments. Repairs and addition to embankments. Formation of tank bunds. Use of puddle. Mode of making small cuttings. Protection of slopes by turfing or stone pitching. Drainage of slopes. Computation of contents of earthwork by mean areas and prismoidal formula. Widths and areas of land required for earthwork. Maintenance and formation of simple roads.

2. *Irrigation.*—Quantity of water required for irrigation. Capacity of tank. Catchment basin. Full tank level and maximum water level. Estimation of flood discharge from basins. Requisite length of weir. Section of weir. Discharge of irrigation sluices. Construction of bund, weir and irrigation sluice of a small tank. Repair of breaches and protection of slopes. Mode of sinking wells. Maintenance of small channels.

3. *Water-supply and drainage, particularly wells.*—Serial Maps, Tank Register and Supply statement.

III. DRAWING GROUP.

1. *Building Drawing.*—Construction and use of ordinary scales. Drawing plan, elevation, or section from notes, rough sketches, or measurements of the following :—Footings and offsets of foundations. Door and window frames. Timber roof frames with covering of common or Mangalore tiles. Terrace roofs and floors on joists or beams and joists. Simple buildings with terrace or tiled roofs. Copying drawings and tracing on cloth.

2. *Estimating.*—Estimation of quantities for a simple building from drawings or actual measurements and preparing bills of cost for the same.

3. *Mensuration.*—Determination of sides and perimeters of right angled triangles, rules for finding out length of circumferences of a circle and arcs of segments and sectors. Determination of areas of triangles, parallellograms, circles. Practical rules for the measurement of timber.

IV. SURVEYING GROUP.

1. *Surveying, Oral and Practical.*—Running a chain line. Modes of passing obstacles. Measuring of offsets. Use of cross staff. Well conditioned triangles. Check or tie lines. Keeping the field books; testing the chains. Use of plane table. Surveying with plane table compass and chain. Different technical vernacular names used in Mysore Revenue Survey. Division of partition of lands and allotments. Fixing boundary stones. Replanting the missing stones and finding out encroachment. Plotting a chain and compass survey; field work.

2. Topo Sheets and how to study them.

V. SPECIFICATION AND SCHEDULE OF RATES.

Use of Measurement Books; preparation of bills; Public Works Department Specifications and Schedule of Rates.

## GENERAL SECRETARIAT

**Administration Report of the Civil Veterinary Department for the year 1938-39.**

READ—

Letter No. H. C. 211-587—39-40, dated 20th September 1939, from the Director of Agriculture in Mysore, submitting the Administration Report of the Civil Veterinary Department for the year 1938-39, with his review thereon.

ORDER No. A. F. 4389-468—A. H. 35-39-3, DATED BANGALORE, THE 27TH FEBRUARY 1940.

Recorded.

2. It is reported that there were 325 (142) outbreaks of rinderpest during the year. In Shimoga District the disease which had been brought under control, broke out afresh in June 1938 in Sorab and Shikarpur Taluks and the epidemic spread from there to every taluk in the district except Chennagiri. During the latter part of the year the disease broke out in a virulent form among cattle in the Cantonment and City areas of Bangalore, gradually spreading to the surrounding villages. Outbreaks occurred in almost all the taluks of the Bangalore District. There were a few outbreaks in Kolar, Tumkur, Chitaldrug and Mysore Districts. It is stated that the incidence and spread of this epidemic was mainly due to the transport of infected cattle from British Indian Provinces to the Mysore State. As a result of the systematic inoculation campaign undertaken by the department